



Phase 3: Preparing and connecting the pipe to the manifold - DIY & professional guide

Before proceeding to phase 3, ensure that phase 2 has been fully completed.

These instructions are strictly for use with Wunda systems only — using them with any other system may result in serious performance issues, system failure, or invalidation of your warranty.

www.wundagroup.com
01291 634 149

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Phase 3 - Preparing and connecting the pipe to the manifold

Now your boards and pipes are all in place, your installation is almost complete!

Phase 3 must be completed before laying your floor finish. These steps include fixing your manifold to the specified location in your layout plans, connecting the pipe, filling each loop, purging all air and pressure testing the entire system. While the steps are straightforward and DIY friendly, some may prefer to leave these steps to a professional to complete when they connect the system to the heat source and commission the manifold. We recommend allowing at least 5 hours for this phase, including leaving your system under pressure for a minimum of 3 hours. The instructions will guide you through the steps and we are on hand to help 6 days a week.

Manifold installation procedure

The steps below give an overview of the installation sequence. Precise instructions for each step can be found on factsheets **M06, M07** and **online support videos**.

STEP 1



Manifold assembly overview
video

[https://vimeo.com/wunda/
manifold-and-pumpset-assembly](https://vimeo.com/wunda/manifold-and-pumpset-assembly)

Materials needed

- Spanner
- Screw driver

**Refer to step 5 in phase 1 for
tools and materials*

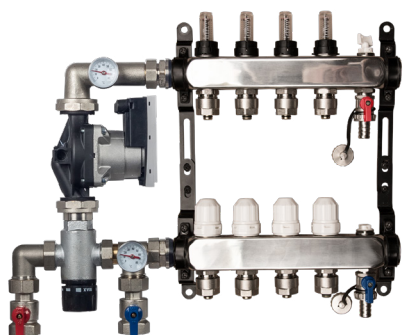
Assemble and attach the pump set to the manifold

Assemble manifold and pump set according to factsheet **M06** and **M07**.

STEP 2

Mount the manifold on the wall

Mount the manifold according to the Wunda layout plan, using appropriate screws, washers, and wall plugs for the wall type. Ensure the lower bar is at least 200mm from the floor for easy pipework connection (**Page 3 of factsheet M07**).



Materials needed

- Screws
- Wall plugs
- Screw driver
- Drill

**Refer to step 5 in phase 1 for
tools and materials*

STEP 3

Cut and ream pipe loop ends

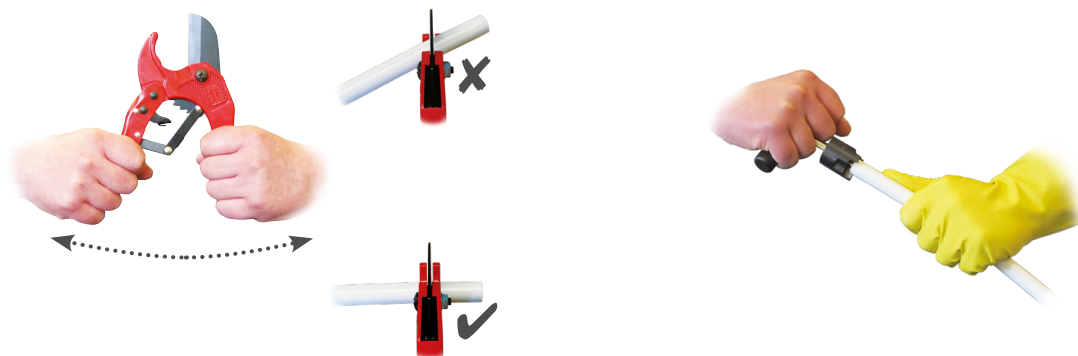
Make sure you have labelled and identified the flow and return of each pipe. The flow is identified on the layout plan by the red dot, while the return end of the loop is identified by the blue dot.

Cut pipes to length, ensuring clean and square cuts. Use the reaming tool to prepare the cut ends, creating a bevelled edge for a smooth connection. **(Page 3 of factsheet M07).**

Materials needed

- Pipe cutter
- Reaming tool
- Gloves

**Refer to step 5 in phase 1 for tools and materials*



**TIP: Hold the pipe wearing gloves to prevent it twisting in your hand whilst using the reaming tool.*

STEP 4



Connecting pipes to the manifold
overview video
[https://vimeo.com/wunda/
connecting-pipes-to-the-wunda-
manifold](https://vimeo.com/wunda/connecting-pipes-to-the-wunda-manifold)

Materials needed

- Spanner
- Rubber mallet

**Refer to step 5 in phase 1 for tools and materials*

Connect pipes to the manifold ports

Slide the nut over the pipe end, then push the split olive onto and flush with the cut end of the pipe. Fit the pipe insert into the end ensuring it is all of the way in and seated against the end of the pipe and split olive. Insert securely into the appropriate manifold connection, hand tighten nuts and then fully tighten with a 27mm spanner. Repeat the process for every pipe connection **(Page 3 of factsheet M07).**



STEP 5



Filling the manifold with water
overview video
<https://vimeo.com/wunda/filling-wunda-rapid-response-underfloor-heating-system>

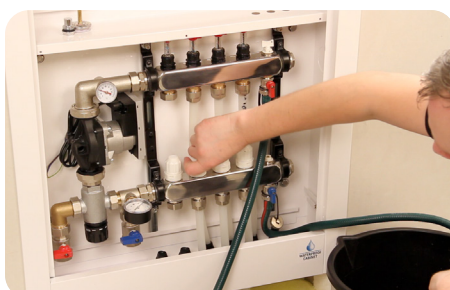
Materials needed

- Drain hose
- Bucket
- Spanner

**Refer to step 5 in phase 1 for tools and materials*

Fill the system with water and pressure test

Only once this step has been completed, and the pressure test has passed, will your system be ready for you to lay your floor finish and any necessary intermediate layers. If the pressure test fails for any reason, leaving the pipework exposed allows inspection and remedial steps to be carried out before the system is covered by flooring / intermediate layers. Full step by step instructions for the pressure test are found in the **M07 factsheet**.



Once phase 3 is complete, proceed to phase 4.